

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled FIBER OPTIC AMPLIFIER; the specification of which

(check one): ☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as  
Application Serial No. \_\_\_\_\_,  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.58(a);

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

Priority Claimed

(Number) (Country) (Day/month/year filed)

☐ ☒

yes no

(Number) (Country) (Day/month/year filed)

☐ ☒

yes no

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior USA Application(s)

(Application Serial No.) (Filing Date) (Status-patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status-patented, pending, abandoned)

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

Page 2	ATTORNEY'S DOCKET NO.
DECLARATION:	STANF.18A

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Herbert John Shaw *401-66*  
 Inventor's signature *Herbert John Shaw* Date 11/15/83  
 Residence 719 Alvarado Row, Stanford, California 94305 *CA*  
 Citizenship U.S.A.  
 Post Office Address Same as above

Full name of second joint inventor, if any Michel J. F. Dignonnet *4103-66*  
 Inventor's signature *Michel JF Dignonnet* Date Nov. 15, 1983  
 Residence 2307 Harvard Street, Palo Alto, California 94306 *CA*  
 Citizenship France  
 Post Office Address Same as above

Full name of third joint inventor, if any \_\_\_\_\_  
 Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
 Residence \_\_\_\_\_  
 Citizenship \_\_\_\_\_  
 Post Office Address \_\_\_\_\_

KNOBBE, MARTENS, OLSON & BEAR

Teletypewriter: (714) 760-9502

Cable Address: CALPAT

STANF.18A (S81-142)

In re application of      Herbert J. Shaw et al.  
Serial No.                      Unknown  
Filed                              Herewith  
For                                FIBER OPTIC AMPLIFIER

ASSOCIATE POWER OF ATTORNEY

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Sir:

The following named person(s) is/are hereby appointed  
as associate attorneys to prosecute the above identified


application and take all actions respecting the same:

Harold E. Gillmann, Reg. No. 25,336	Gerald L. Cline, Reg. No. 29,231
Litton Systems, Inc.	Litton Systems, Inc.
5500 Canoga Avenue	5500 Canoga Avenue
Woodland Hills, CA 91367	Woodland Hills, CA 91367

Please continue to send all correspondence to

KNOBBE, MARTENS, OLSON,  
& BEAR  
610 Newport Center Drive, Ste 1600  
Newport Beach, CA. 92660

Date Nov 22, 1983

  
\_\_\_\_\_  
Attorney of Record  
William H. Nieman, Reg. No. 30,201

POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR UNDER RULE 32

To the Commissioner of Patents and Trademarks:

The undersigned assignee of the entire interest in the attached application for Letters Patent  
for the invention in FIBER OPTIC AMPLIFIER

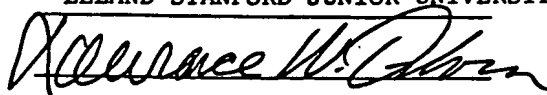
hereby appoints Louis J. Knobbe, Registration No. 18,780; Don W. Martens, Registration No. 21,107; Gordon H. Olson, Registration No. 20,319; Bruce B. Brunda, Registration 28,497; James B. Bear, Registration No. 25,221; Darrell L. Olson, Registration No. 28,247; William B. Bunker, Registration No. 29,365; John C. Lambertsen, Registration 29,400; Ronald C. Fish, Registration No. 28,843; William H. Nieman, Registration No. 30,201; Arthur S. Rose, Registration 28,038; David J. Arthur, Registration 30,707; and Lowell Anderson, Registration 30,990.

its attorneys to prosecute this application and to transact all business in the Patent Office connected there with, said appointment to be the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of Rule 32 of the Patent Office Rules of Practice.

Please direct all communications relative to said application to the following correspondence address:

KNOBBE, MARTENS, OLSON, & BEAR  
610 Newport Center Drive  
Suite 1600  
Newport Beach, CA 92660

Telephone: (714) 760-0404

Assignee: BOARD OF TRUSTEES OF THE  
LELAND STANFORD JUNIOR UNIVERSITY  
By:   
Title: ASSOCIATE DIRECTOR  
TECHNOLOGY LICENSING  
Address: Stanford University  
105 Encina Hall

# ASSIGNMENT

STANF.18A

WHEREAS, WE, Herbert John Shaw and Michel J. F. Digonnet  
both citizens of The United States of America, residing at 719 Alvarado Row, Stanford,  
and France California 94305; and 2307 Harvard Street, Palo Alto,  
California 94306

improvements in FIBER OPTIC AMPLIFIER respectively, have invented certain new and useful  
for which we have executed an application for Letters Patent  
of the United States, on even date herewith

WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR  
UNIVERSITY, having a corporation in the State of California  
is desirous of obtaining the entire right, title and interest in the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid, and  
other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do  
hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby  
severally and jointly, sell, assign, transfer and set over, unto the said

BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
its successors, legal representatives and assigns, our respective rights, titles and interests, and the entire right,  
title, and interest throughout the world in, to and under the said improvements, and the said application and all  
divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted  
thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and ap-  
plications for Letters Patent which may hereafter be filed for said improvements in any country or countries  
foreign to the United States, and all Letters Patent which may be granted for said improvements in any country  
or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize  
and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign  
to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for  
said improvements to the said

BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
its successors, legal representatives and assigns, in accordance with the terms of this instrument.

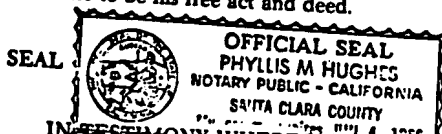
AND WE HEREBY covenant and agree that we will communicate to the said  
BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify  
in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all  
rightful oaths and generally do everything possible to aid the said  
BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said im-  
provements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15th  
day of October Nov, 19 83

State of California  
County of Santa Clara } ss.:

Herbert John Shaw  
Herbert John Shaw

On this 15th day of October Nov, 19 83, before me, a Notary Public in  
and for the State and County aforesaid, personally appeared Herbert John Shaw  
known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged  
the same to be his free act and deed.



Phyllis M. Hughes  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15th  
day of October Nov, 19 83

State of California  
County of Santa Clara } ss.:

Michel J. F. Digonnet  
Michel J. F. Digonnet

On this 15th day of October Nov, 19 83, before me, a Notary Public in  
and for the State and County aforesaid, personally appeared Michel J. F. Digonnet  
known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged  
the same to be his free act and deed.